



IAP4 Rec'd PCT/PTO 17 JAN 2006

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
(Case No. 05-739)

In the Application of:
Matthew James Thomas)
Serial No.: 10/549,732)
Filed: September 19, 2005) Art Unit: Unknown
Title: Monitoring Electrical Muscular)
Activity) Examiner: Not Assigned

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

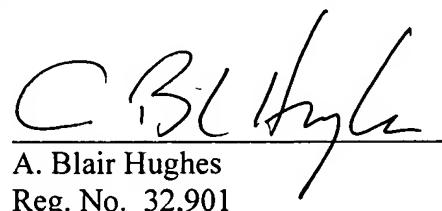
Sir:

TRANSMITTAL LETTER

In regard to the above identified application:

1. We are transmitting herewith the attached:
 - a. Information Disclosure Statement
 - b. Copies of cited Non-U.S. Patent References
 - c. Postcard
2. With respect to additional fees:
 - a. Attached is a check in the amount of \$ -0-
3. Please charge any additional fees or credit overpayment to Deposit Account No.13-2490. A duplicate copy of this sheet is enclosed.
4. CERTIFICATE OF MAILING UNDER 37 CFR § 1.8: The undersigned hereby certifies that this Transmittal Letter and the paper, as described in paragraph 1 hereinabove, are being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Arlington, Virginia 22313-1450 on this 9th day of January, 2006.

By :


A. Blair Hughes
Reg. No. 32,901

McDONNELL BOEHNEN,
HULBERT & BERGHOFF LLP
300 SOUTH WACKER DRIVE
CHICAGO, ILLINOIS 60606
TELEPHONE (312) 913-0001

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

Substitute for form 1449/PTO

Complete if Known**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**
(Use as many sheets as necessary)

Sheet 1 of 2

Application Number	10/549,732
Filing Date	September 19, 2005
First Named Inventor	Thomas
Art Unit	Unknown
Examiner Name	Not Assigned
Attorney Docket Number	05-739

U. S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (<i>if known</i>)			
		US- 5,383,164	1-17-95	Sejnowski et al.	
		US- 5,483,970	1-16-96	Rosenberg	
		US- 5,706,402	1-6-98	Bell	
		US- 6,167,417	12-26-00	Parra et al.	
		US- 6,185,309	2-6-0	Attias	
		US- 6,346,887	2-12-02	Van Orden et al.	
		US- 6,424,960	7-23-02	Lee et al.	
		US- 6,524,960	2-25-03	Wensel	
		US- 6,544,170	4-8-03	Kajihara et al.	
		US- 6,799,170	9-28-04	Lee et al.	
		US- 2002/0136328	9-26-02	Shimizu	
		US-			

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (<i>if known</i>)				
		WO 01/27874	4-19-01	Salk Institute		
		WO 02/088907	11-2-02	Salk Institute		
		WO 02/096288	12-5-02	Reproductive Health Tech.		
		WO 00/54650	9-21-00	Joh Hopkins University		
		EP 1 166 715	1-2-02	GE Marquette Medical Sys.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number.

<p>Substitute for form 1449/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(Use as many sheets as necessary)</i></p>		Complete if Known	
		Application Number	10/549,732
		Filing Date	September 19, 2005
		First Named Inventor	Thomas
		Art Unit	Unknown
		Examiner Name	Not Assigned
Sheet	2	of	2
		Attorney Docket Number	
		05-739	

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		McKeown et al. "Phase and Tonic Coupling between EEG and EMG Demonstrated with Independent Component Analysis", Journal of Clinical Neurophysiology, pp. 45-57 (2001)	
		Azzerboni et al. "A New Approach to Detection of Muscle Activation by Independent Component Analysis and Wavelet Transform" Italian Workshop on Neural Nets, pp. 109-116 (2002)	
		Cichocki et al. "Blind Separation and Filtering Using State Space Models", IEEE, pp. V78-V81 (1999)	

Examiner Signature	Date Considered
--------------------	-----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.